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Installation

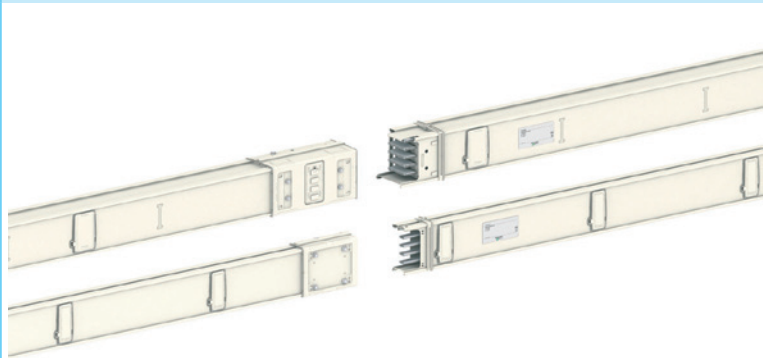
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Canalis KS

For medium-power distribution
from 100 to 1000 A

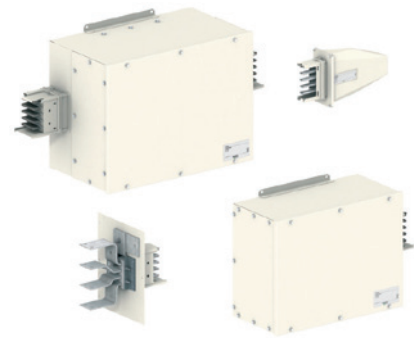
1. Run components

- Rating: 100,160,250,400,500,630,800,1000 A.
- 4 live conductors.
- Length:
 - basic components: 3 and 5 metres.
 - additional lengths: 1.5 and 2 metres.



2. Feed units and end covers

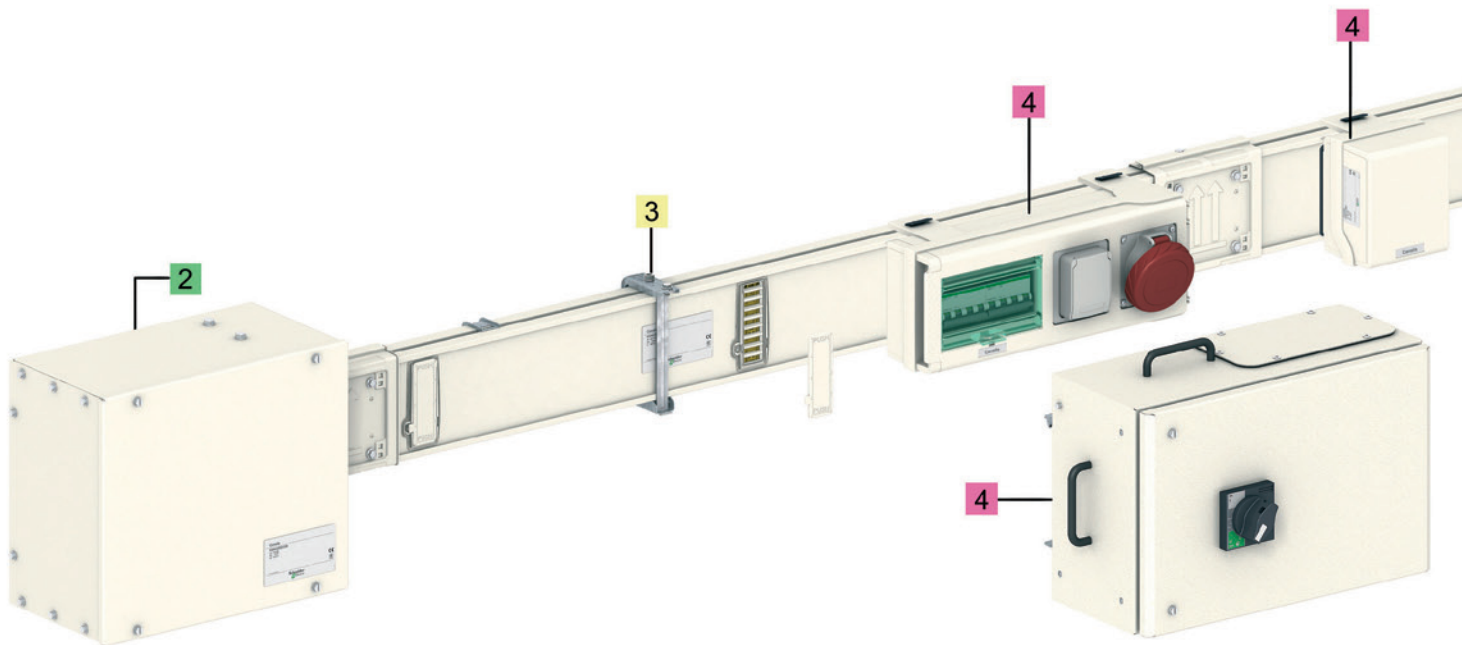
- The feed units delivered with end covers, receive the cables supplying one end or any other point of Canalis KS trunking.



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3. Fixing system

- The fixing system ensures that Canalis KS is well secured, whatever the type of building structure.

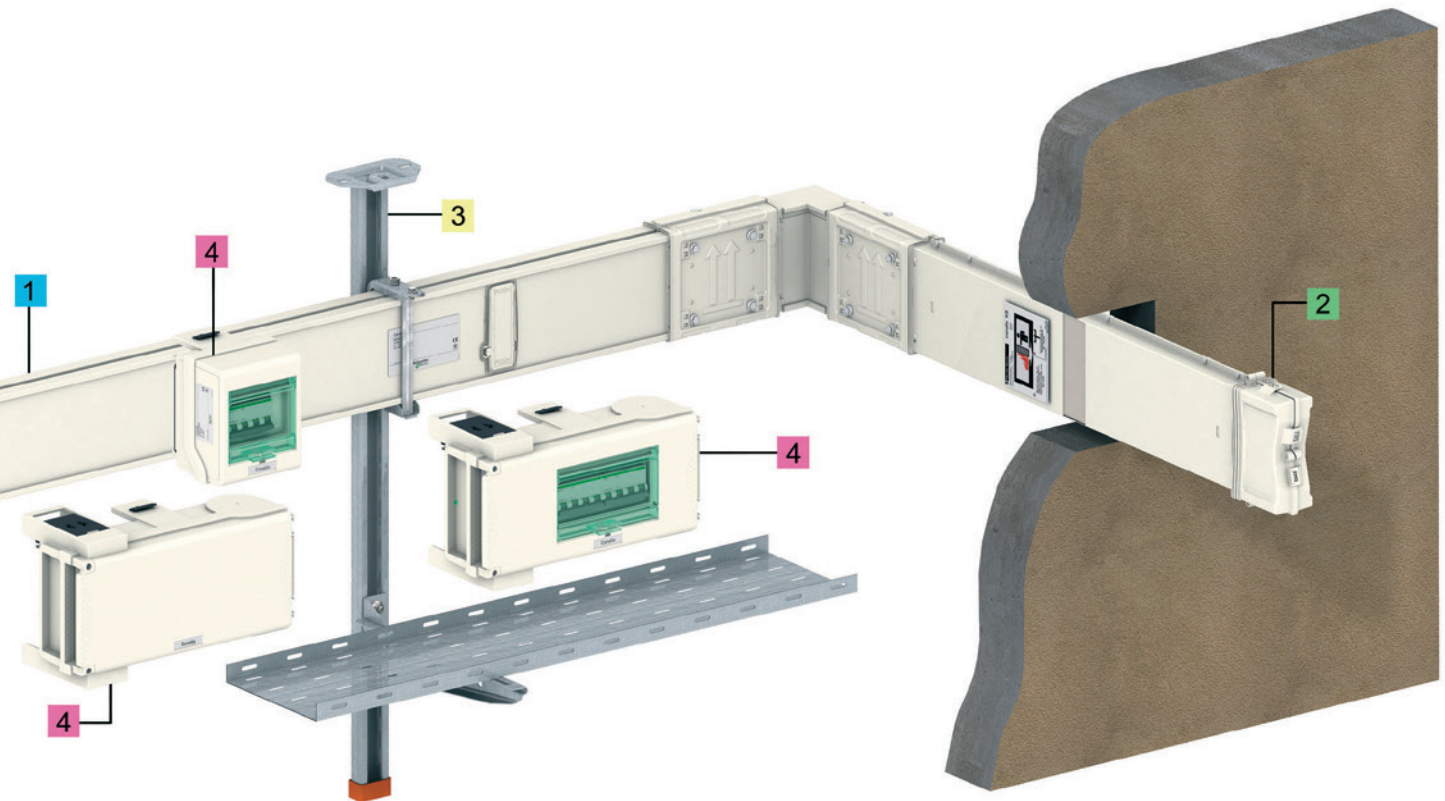
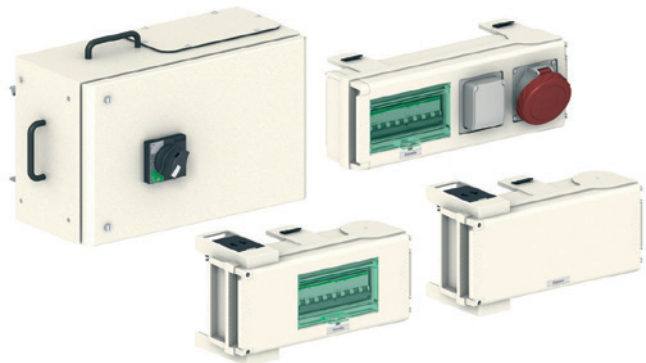
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4. Tap-off units

- The tap-off units (with and without isolators) are used to:
 - supply loads from 25 to 400 A
 - or protect nearby loads against overloads due to lightning strikes.
- Protection is ensured with modular or Compact NSX circuit breakers or fuses.

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Canalis KS

for medium-power distribution
from 100 to 1000 A

No toxic emission in case of fire

All components in the KS range are **halogen free**. In case of fire, Canalis KS does not release smoke or toxic gases.

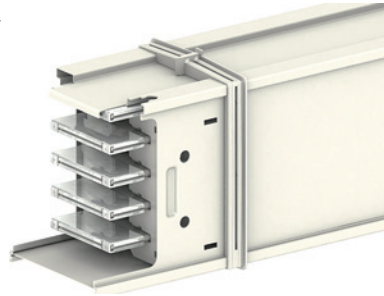
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Excellent contact

Contacts are silver-plated. The level of performance remains the same throughout the life of the product.

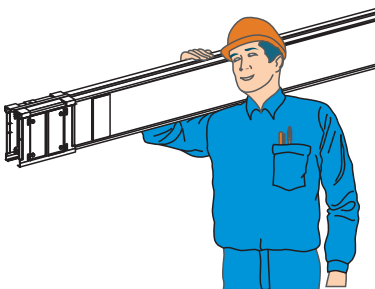
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Light and easy to handle

Canalis trunking is light and easy to handle due to the use of aluminium conductors. For equal power ratings, trunking equipped with copper conductors is 40% heavier. The low weight of Canalis KS simplifies installation and greatly reduces the time required. Fewer workers and resources are required, whatever the type of installation.

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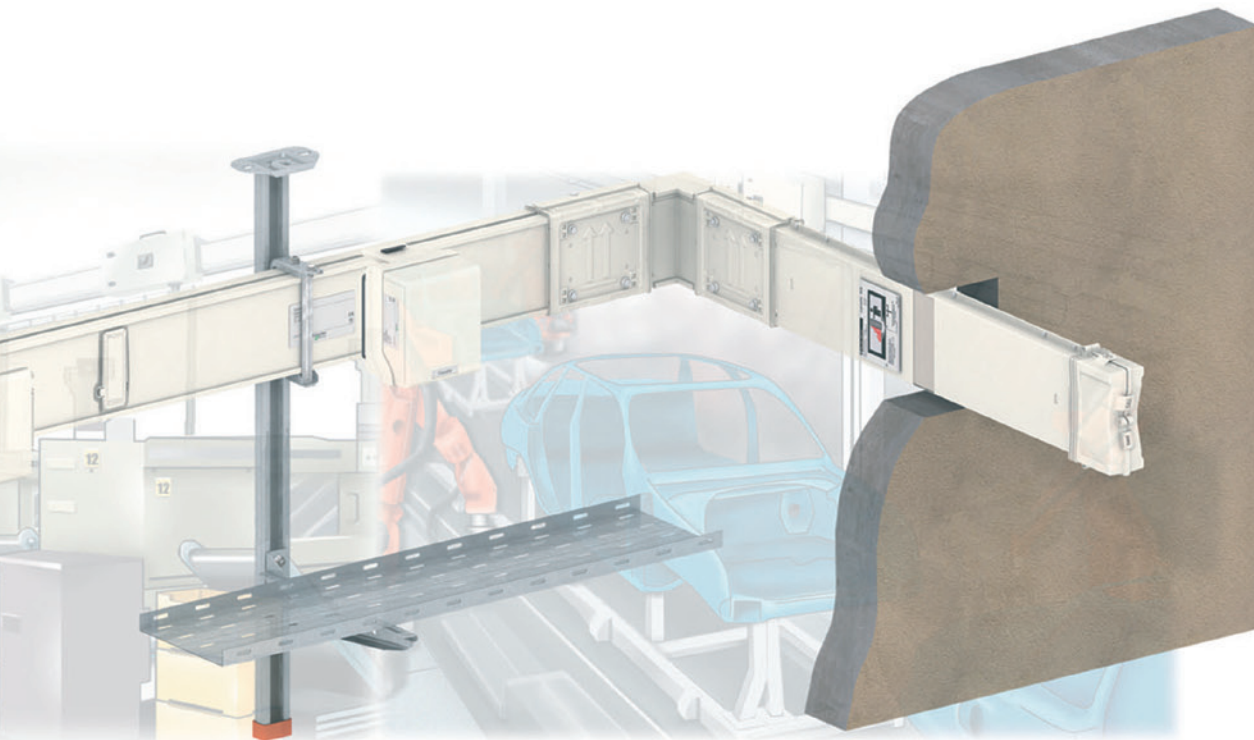
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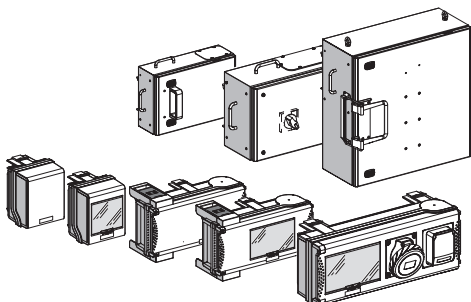
A high degree of protection

The high degree of protection for Canalis KS means it can be installed in all types of buildings.

- **IP55** guarantees trunking protection against splashes, and dust.
- **IK08** guarantees the strength of the trunking (resistance to shocks).
- **IPxxD** ensures totally safe working conditions for maintenance personnel.
- Canalis KS complies with **sprinkler tests**, guaranteeing operation under vertically and horizontally sprayed water for 50 minutes.



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A complete range of tap-off units

- The range covers all needs from 25 to 400 A.
- Protection is possible using circuit breakers, fuses or surge arresters.
- Also available are 32 A tap-off units equipped with household and industrial power sockets.

Intelligent tap-off units

- They monitor the installation to avoid overloads and ensure continuity of service.
- They can meter the energy consumed for precise management (cost allocation for each consumer).

Description

Canalis KS, 100 to 1000 A

Medium-power distribution

IP55

U_e = 230...690 V

RAL 9001 white

Canalis KS is designed for medium-power distribution with high tap-off densities in industrial and commercial buildings (factories, exhibition halls, supermarkets, etc.).

The range is available in eight ratings: 100, 160, 250, 400, 500, 630, 800 et 1000 A.

Canalis KS provides an IP55 degree of protection, whatever the installation method. Consequently it can be installed in virtually any type of building.

Tap-offs are implemented by tap-off units from 25 to 400 A that may be removed in complete safety under energised conditions, from 25 to 400 A.

Busbar trunking rated 100 to 400 A may be equipped with tap-off units up to 250 A.

Busbar trunking with higher ratings may be equipped with the entire range of tap-off units.

All the insulating and plastic materials are **halogen-free** and have enhanced fire-withstand capabilities.

■ incandescent wire test as per standard IEC 60695-2 :

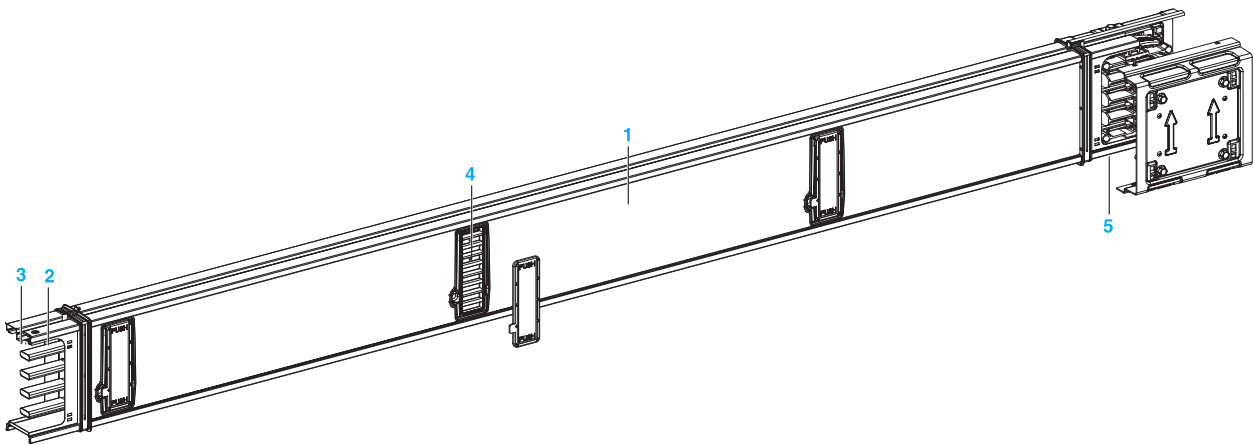
□ 960 °C for components in contact with live parts

□ 650 °C for other components.

Straight lengths

Distribution components

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These components carry the current and supply loads up to 400 A. They constitute the basic structure of the line and are made up of:

- 1 a casing, crimp closed, made of hot-galvanised sheet steel**, pre-lacquered RAL 9001 white. This casing, shaped and ribbed by roller burnishing, provides excellent resistance to bending and twisting. Two sizes cover the entire range of ratings: 54 mm wide for the 100, 160, 250 and 400 A ratings and 113 mm wide for the 500, 630, 800 and 1000 A ratings, live conductors made up of four identically sized bars.
- 2 silver-plated aluminium/copper bimetal laminate for the 100 and 160 A ratings**, aluminium equipped with silver-plated aluminium/copper bimetal laminate contacts electrically welded at junctions and tap-off points for the 250 and 1000 A ratings.
- 3 a protective conductor (PE)** sized $\geq 50\%$ with respect to the cross-section of phases. It is connected to the casing at each junction.
- 4 tap-off outlets** every meter on both sides of the trunking.
- 5 a mechanical and electrical jointing system:** Electrical jointing is ensured by a block with flexible grip contacts made of silver-plated copper. This block equally absorbs the difference in conductor and casing thermal expansion for each length. For the 100 to 250 A ratings, it ensures automatic and simultaneous jointing of all live conductors and the continuity of the protective earth conductor, as well as its connection with the casing. For the 400 to 1000 A ratings, electrical jointing is ensured by a quarter-turn locking mechanism for each conductor.

Special components

1 Custom-length run components

Used to adjust the length of a line (e.g. between two changes in direction).

These components are made to order and do not have tap-off outlets.

2 Fire barrier

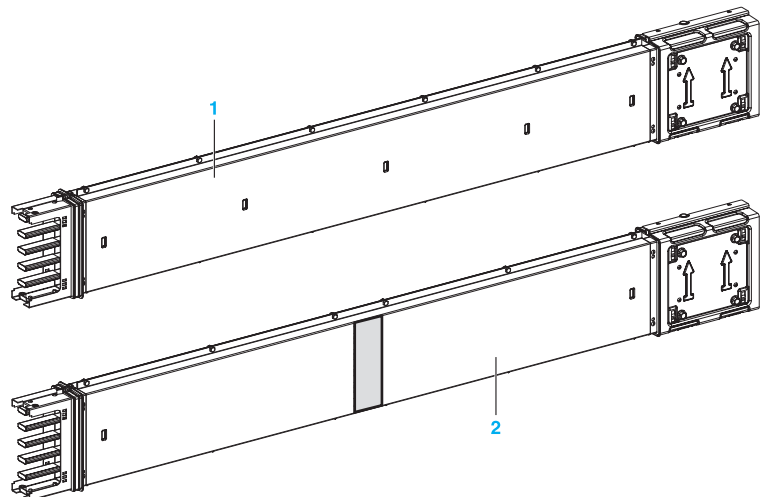
This type of length is used to transit a fire-proof wall (e.g. between two rooms in a building).

It has been tested in a certified laboratory and complies with standard EN 1363-1.

The laboratory report lists the following results:

- thermal insulation: ≥ 120 minutes,
- resistance to flames: ≥ 120 minutes,
- stability: ≥ 120 minutes.

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Feed units and end covers

Used to feed a KS line by cables or directly from the busbars in a switchboard. They can be mounted at the end of a line (end feed, left or right) or in the middle (central feed).

1 End feed unit for KS 100 A trunking

For KS 100 A trunking only. It can be mounted on either side of a straight length. It is equipped with a PG 29 cable gland and supplied with an end cover.

2 End feed unit for trunking up to 1000 A

For 250 to 400 A ratings. It can be mounted on either end of a straight length by inverting the initial section of the trunking, and supplied with an end cover.
For 500 to 1000 A ratings, there are right and left-hand versions.
With feed units from 400 to 1000 A, cable gland plates are in aluminium (reduction of Eddy current effects).

3 Centre feed unit

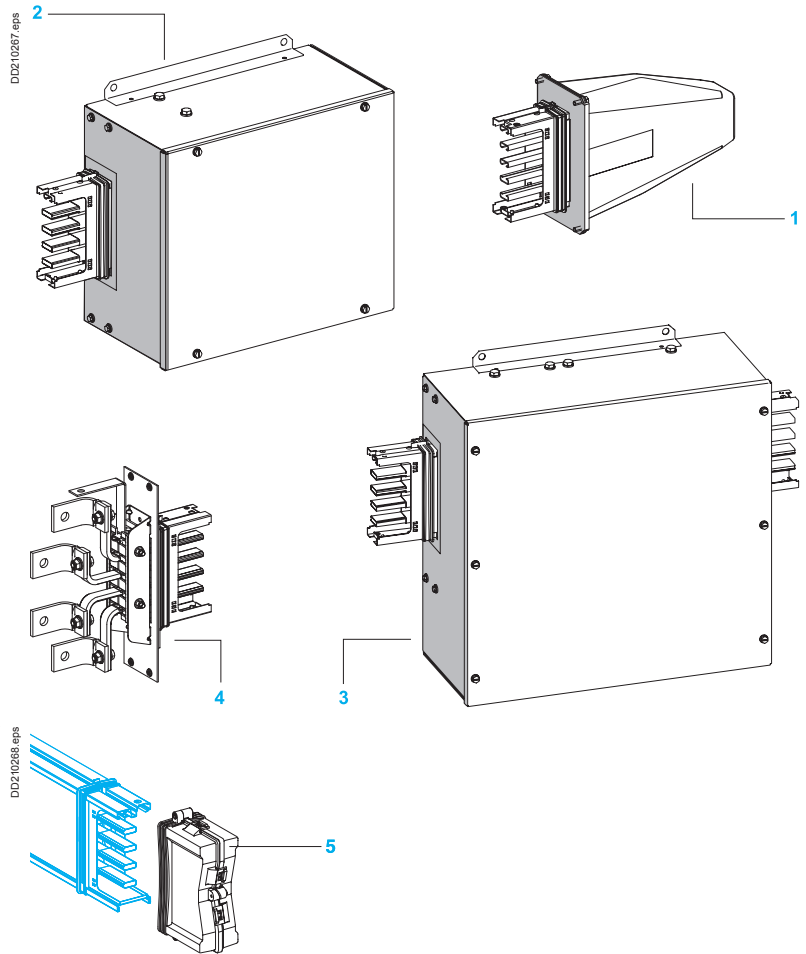
Using a single cable, it is possible to feed both the right and left-hand sections. It is mounted between two straight lengths in the line and is supplied with two end covers.

4 Flange feed unit

Equipped with splayed bars and a mounting plate for direct connection to the busbars of a switchboard. It can be mounted on either end of a component and is supplied with an end cover.

5 End cover

The end cover protects and isolates the ends of the conductors. It is mounted on the last component. Supplied with end feet unit and feed unit.



Components for changing direction

All components for changing direction are supplied with a junction block.

1 Edgewise elbow

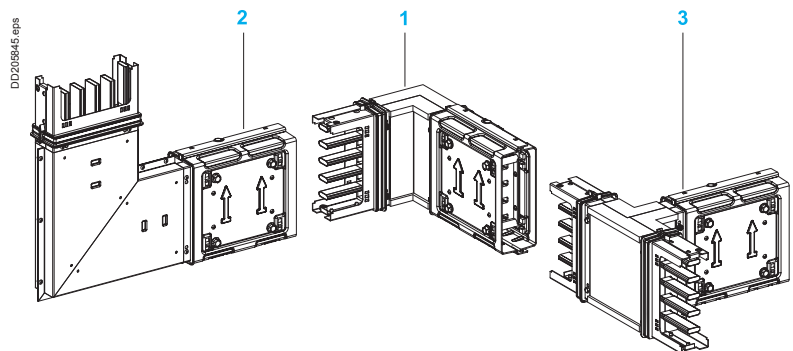
One model for turning right or left.

2 Flat elbows

Two models, one for turning up and the other for turning down.

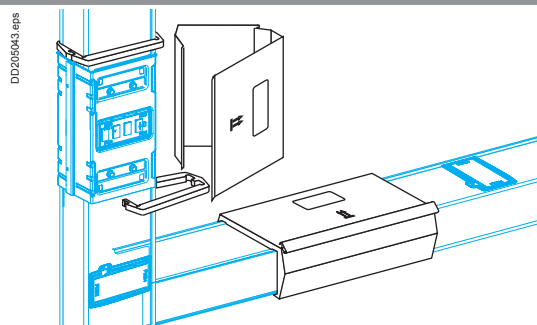
3 Edgewise tee

To create branches perpendicular to the main line.



Sprinkler kit

To comply with the sprinkler tests (guaranteeing operation under vertically and horizontally sprayed water for 50 minutes), each electrical jointing system should be fitted with a reinforced protection kit (the jointing sleeve).



Description

IP55

U_e = 230...690 V

RAL 9001 white

Canalis KS, 100 to 1000 A

Medium-power distribution

Fixing systems

The maximum recommended fixing distance is three metres.

1 Universal fixing bracket

For attachment of the busbar trunking to the structure of the building, either directly or via a threaded rod M8, brackets, etc.
Suspension using chains or steel cables is not advised.

2 Pendant kit

The pendant kit includes:

- a perforated pendant used to suspend a KS line from the building structure, an IPN or the ceiling.

Length: 1 meter

Width: 80 mm

- a cantilever arm that supports the cable tray under the KS line.

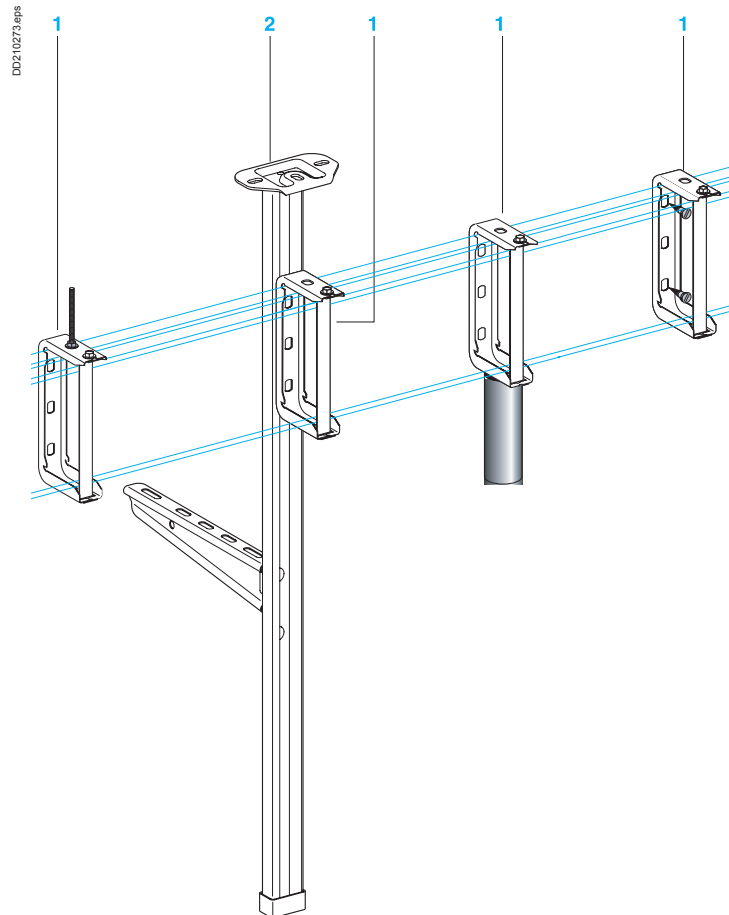
- the mounting hardware required to secure the KS bracket and the cantilever arm to the pendant.

Two kits are available:

- KS ratings up to 400 A: 200 mm cantilever arm

- KS ratings from 500 A to 1000 A: 300 mm cantilever arm.

If necessary, additional cantilever arms can be ordered.



Tap-off units

For rapid connection of loads or secondary lines, in compliance with installation standards CEI 60364 and regulations, whatever the system earthing arrangement (TT, TNS, TNC or IT).

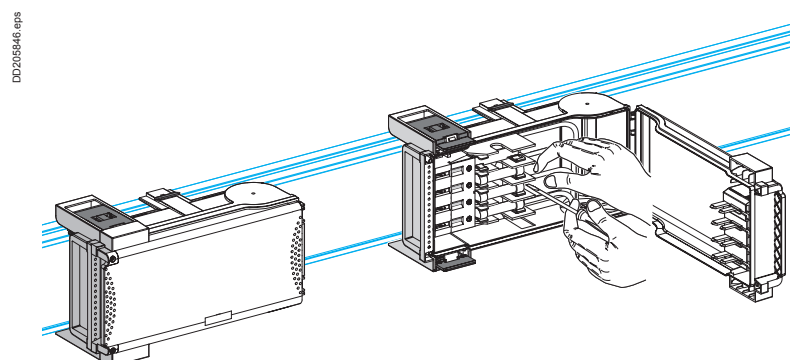
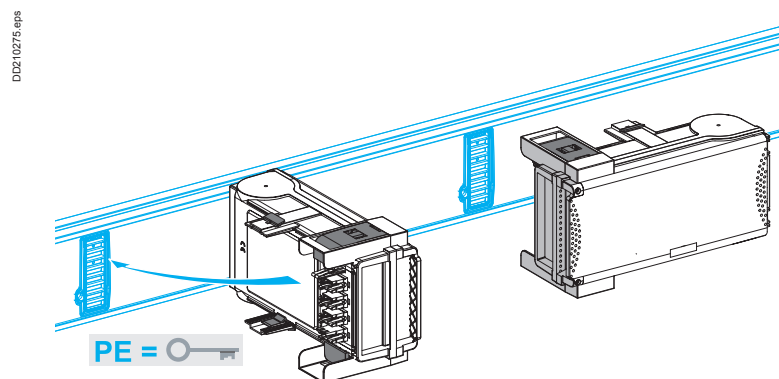
They can be handled and removed under off-load conditions with the trunking energised.

The tap-off outlets are automatically opened or closed when tap-off units are connected or removed.

With the cover open, no live parts are accessible.

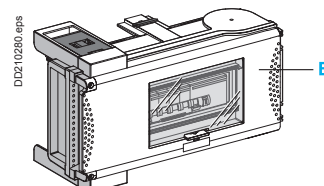
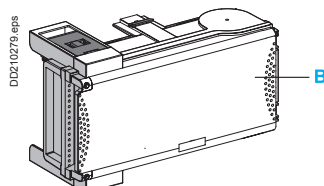
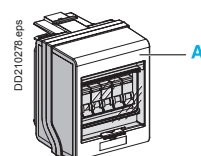
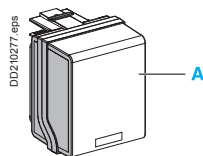
The degree of protection is IPxxB (protected against access with a finger).

The degree of protection is IP55 as standard (no accessories are required).



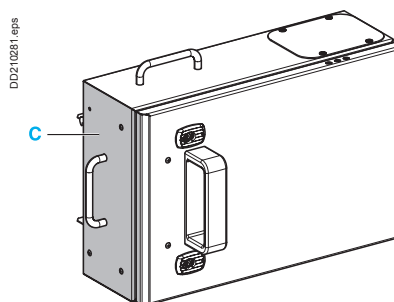
Tap-off units (A) and tap-off units with isolators (B) up to 100 A are made of plastic:

- Colour: RAL 9001 white for the casing and the grip zones and transparent green for the cover (design based on Kaedra enclosures), The fixing mechanisms are in RAL 7016
- Material: self-extinguishing, **halogen free** insulating plastic (fire resistant and very high temperature withstand).
- Other characteristics: cable gland drilling zone, stainless steel screws and the door can be lead sealed.



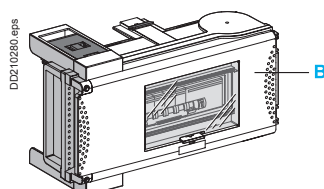
Tap-off units from 160 to 400 A are made of sheet steel (C):

- Colour: RAL 9001 white for the casing, RAL 9005 black for the grip zones (100% polyester paint on galvanised sheet steel)
- Other characteristics:
 - Removable cover with hinges enabling opening up to 120°, vertically bevelled cover with double bends for enhanced rigidity (design based on Sarel Spatial 3D enclosures), polyurethane gaskets.
 - Equipped with cable-gland plates marked every 25 mm and designed for maximum access.



Disconnection principle:

Disconnection by unplugging the tap-off unit. The access to the electrical devices and the terminals is possible only when the tap-off unit is unplugged (i.e. not energised). A safety device prevents connection to the trunking when the cover has been removed.



Disconnection of tap-off units with fuses and modular devices (category AC20) is obtained by opening the tap-unit cover.

Tap-off unit disconnection by opening or closing the cover should be carried out only if the downstream load is de-energised.

For tap-units with circuit breakers, a number of safety devices prevents from:

- Plugging and unplugging in the tap-off unit when the cover is closed
- Closing the cover before the tap-off unit is locked onto the trunking
- having access to the electrical equipment and the terminals when energised.
- opening the cover in the position "ON" (tap-off units equipped with a Compact NSX or NG circuit breaker).

These tap-off units can be equipped with certain accessories such as circuit-opening contacts on the cover, lead seals, etc.

IP55

Ue = 230...690 V

RAL 9001 white

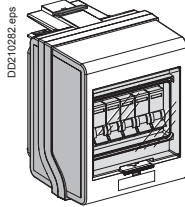
Tap-off units for circuit-breakers (not equipped)

Tap-off unit covers can be lead sealed to prevent circuit-breaker switching by unauthorised persons.

Tap-off unit for modular devices

This tap-off unit can be equipped with most modular devices (18 mm wide) of the Multi 9 type:

- rated current: 32 A
- capacity: 5 modules
- with a window in front for visual and physical access to the devices. A transparent cover seals the window.

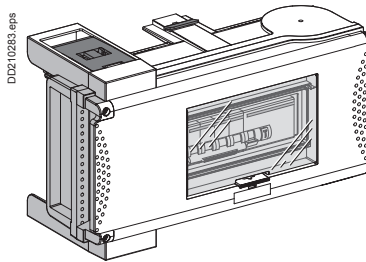


Tap-off units, with isolators, for modular devices

These tap-off units accept most modular devices of the Multi 9 type available in multiples of 18 mm wide modules. They have a window in front for visual and physical access to the devices. A transparent cover seals the window.

Two ratings are available:

- rated current 63 A for eight modules
- rated current 100 A for twelve modules (can accept C120 circuit breakers).

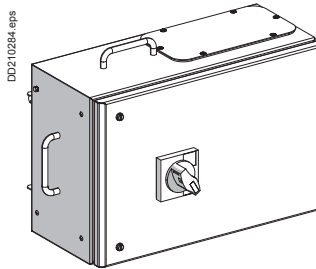


Tap-off units for NG type modular devices

These tap-off units are equipped with a DIN rail and upstream connections to accept modular devices available in multiples of 18 mm wide modules.

The devices are operated by rotary handles that prevent door opening with the circuit breaker in "On" position.

- rated current: 160 A
- capacity: 13 modules (accepts NG125 or NG160 devices equipped with Vigi modules).



Tap-off units, with isolators, for Compact NSX circuit breaker

These tap-off units are equipped with mounting plates and upstream connections for Compact NSX circuit breakers:

- rated current: 100 to 400 A, N, H or L versions
 - fixed, front connection, rotary handle
 - For Compact NSX + Vigi module, use Tap-off units for measurements and metering (see below)
- 400 A tap-off units can be only installed on straight lengths > 400 A.

Note: For options such as withdrawable circuit breakers, earth-leakage protection, etc, call your Schneider Electric contact.

Tap-off units for measurements and metering (not equipped)

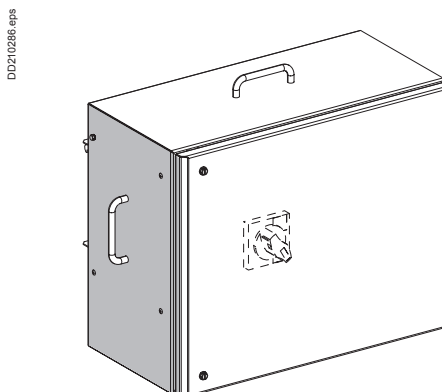
Tap-off units, with isolators, for measurements and metering

These tap-off units are used for sub-billing or monitoring of secondary lines. The values measured by the TI module of the Compact NSX are transmitted to the power-monitoring unit that forwards the information to a central unit via a bus. (see Special measurement and metering applications)

They are equipped with:

- a mounting plate for a Compact NSX type circuit breaker with an extended rotary handle and a Compact NSX current transformer module
- a DIN rail for installation of a Powerlogic PM810, a set of terminals, etc.

Under severe operating conditions (> 40 °C ambient temperature), we recommend using a PM810 without a display.



Tap-off units for power sockets (not equipped)

Tap-off unit covers can be lead sealed to prevent circuit-breaker switching by unauthorised persons.

Canalis 32 A tap-off unit for power sockets

For the supply of portable loads equipped with household or industrial plugs in a garage, maintenance workshop, laboratory, battery charging room, etc
For installation on trunking mounted on a wall for better access.

For easy access, install on trunking mounted at an appropriate height on the wall.

Flexibility, upgradeability: positioned as close as possible to the loads, extension leads are not required

Degree of protection: IP55, IK08.

Safety of persons: IPxxB, earth-leakage protection.

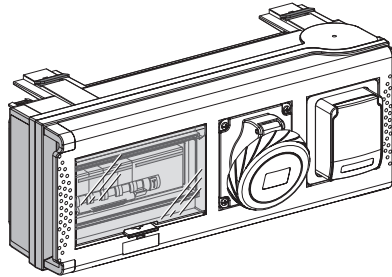
Rated current: 32 A

Capacity: 8 modules in multiples of 18 mm wide

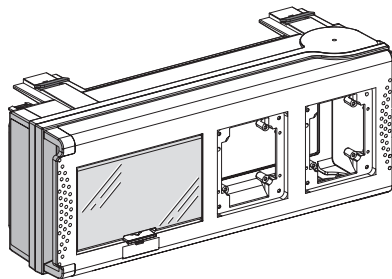
Two versions are available:

- pre-equipped with 2 PK or PratiKa power sockets
- customisable:
 - two 90 x 100 mm openings for PK-type (screw connections) or PratiKa (fast and reliable connection without stripping) industrial or household sockets.
 - direct mounting for industrial IEC 16 A 5P or IEC 32 A 3, 4 or 5P sockets.
 - mounting on a 65 x 85 mm clip-on adapter plate for industrial IEC 16 A 3P or 5P and household 10/16 A 2P + PE sockets.

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Description

IP55

U_e = 230...690 V

RAL 9001 white

Canalis KS, 100 to 1000 A

Medium-power distribution

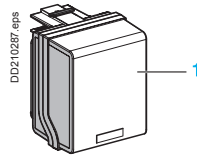
Tap-off units for fuses (not equipped)

For protection of the tap-off by fuses (not supplied).

1 Tap-off unit with fuse holders

This tap-off unit exists in three versions:

- for NF 10 x 38 fuses
- for BS type 88 A1 fuses
- for DIN type Neozed E14 fuses.



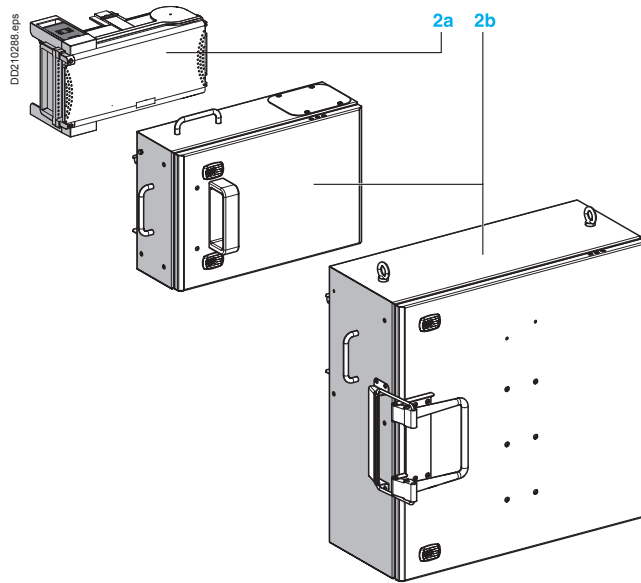
2a and 2b Tap-off units, with isolator, for fuses

There are two types of tap-off units:

Plastic tap-off units (2a) equipped with fuse holders for:

- NF 50 to 100 A cylindrical fuses
- BS 32 to 80 A screw fuses
- DIN 25 to 63 A screw fuses
- 100 A blade-type fuses.

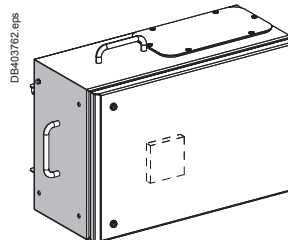
Sheet-metal tap-off units (2b) equipped with fuse holders for 160 to 400 A blade-type fuses.



Tap-off units for switch-disconnector fuses

Sheet metal tap-off units equipped with mounting plates and upstream connection for Fupact INF switch-disconnectors with extended rotary handle:

- rated current 250 A to 400 A
- fixed, front connection.



Tap-off units (with and without isolators) equipped with a surge arrester

These tap-off units (with and without isolators) are pre-equipped with a modular Type 2 surge arrester, with integrated disconnection device.

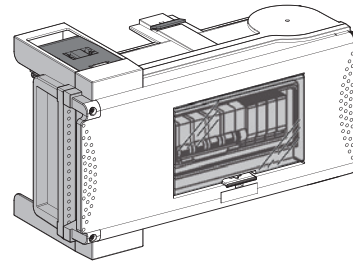
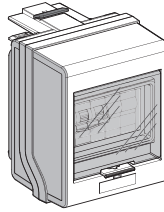
2 versions of 3P+N protection are available, based on Quick PF10 or Quick PRD40r.

These units are ready for use, can be plugged directly into the busbar trunking and do not require any additional wiring.

They should be positioned at least 30 m upstream of each load to be protected.

Tap-off unit covers can be lead sealed to prevent the surge arrester being tampered with by unauthorised persons.

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Catalogue numbers
Dimensions

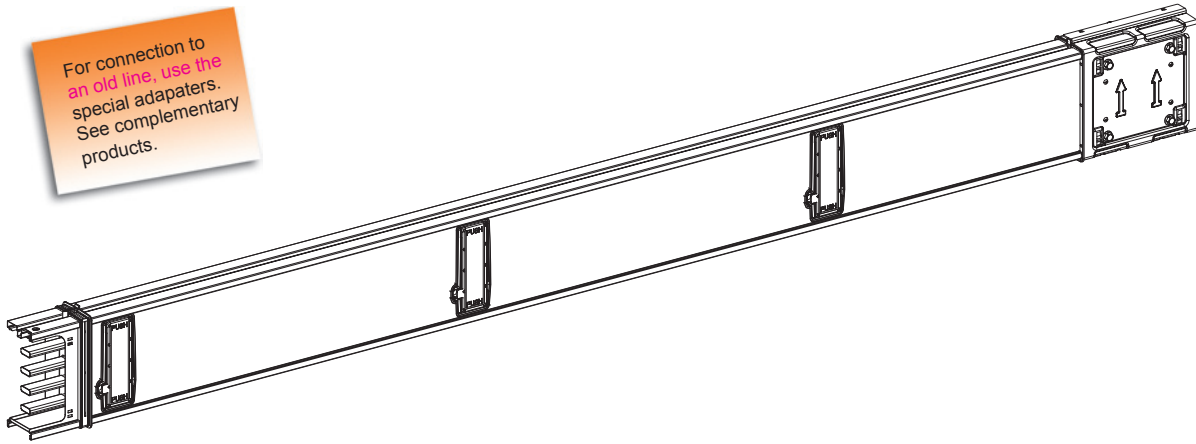
IP55
Ue = 230...690 V
RAL 9001 white

Canalis KS, 100 to 400 A

Busbar trunking for medium-power distribution

Straight lengths with tap-off outlets

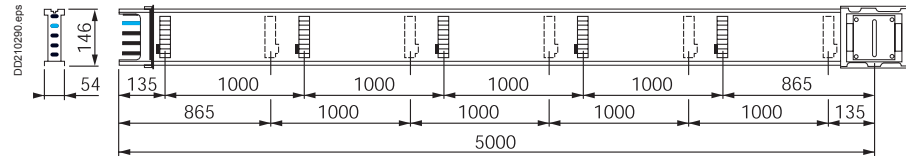
For connection to an old line, use the special adaptaters. See complementary products.



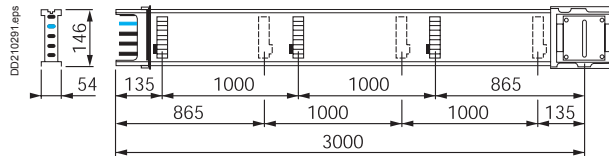
Standard lengths

KSA ●●●ED4●●●	Polarity	Standard lengths				
		Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
KSA ●●●ED4●●●	3L + N + PE or 3 L + PEN	100	5000	10	KSA 100ED45010	19.20
			3000	6	KSA 100ED4306	12.10
		160	5000	10	KSA 160ED45010	21.40
			3000	6	KSA 160ED4306	13.40
		250	5000	10	KSA 250ED45010	25.20
			3000	6	KSA 250ED4306	15.70
		400	5000	10	KSA 400ED45010	32.85
			3000	6	KSA 400ED4306	20.40

KSA ●●●ED45010



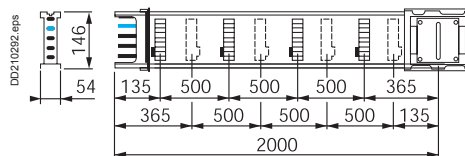
KSA ●●●ED4306



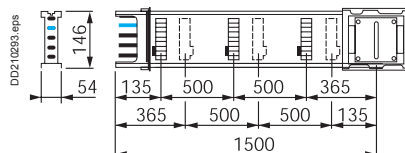
Other lengths

Polarity	Other lengths				
	Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
3L + N + PE or 3 L + PEN	100 to 250	2000	8	KSA 250ED4208	10.85
		1500	6	KSA 250ED4156	8.55
	400	2000	8	KSA 400ED4208	13.90
		1500	6	KSA 400ED4156	10.85

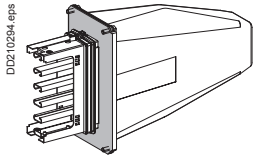
KSA ●●●ED4208



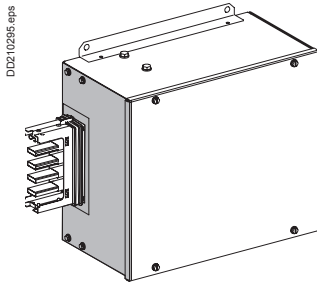
KSA ●●●ED4156



Feed units (supplied with end cover)



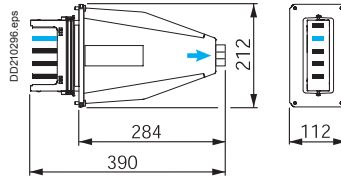
KSA 100AB4



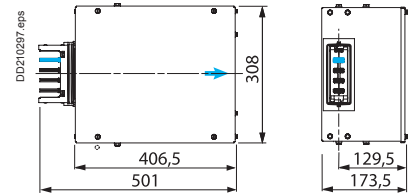
KSA ●●●AB4

Designation	Rating (A)	Mounting	Connection	Max. size (mm ²)		Cat. no.	Weight (kg)
				Flexible	Rigid		
End feed unit	100	Right or left	Terminals	5 x 16		KSA 100AB4	1.85
	100 to 250	Right or left	Lugs (M10 screws)		240	KSA 250AB4	7.20
	400	Right or left	Lugs (M10 screws)		1 x 300 or 2 x 120	KSA 400AB4	8.80

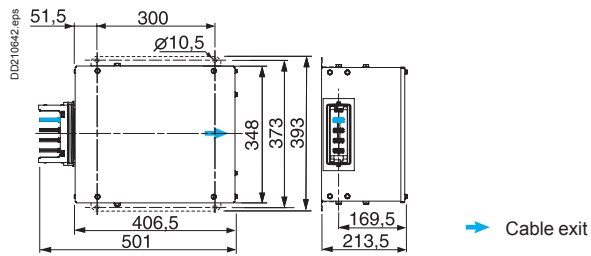
KSA 100AB4



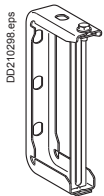
KSA 250AB4



KSA 400AB4



Fixing system

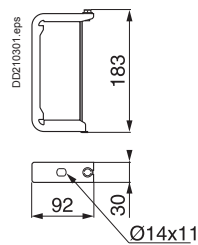


KSB 400ZF1

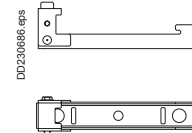
Designation	Rating (A)	Max. load (kg)	Mounting	Order in multiples of	Cat. no.	Weight (kg)
Fixing bracket ⁽¹⁾						
Standard element	100 to 400	70	Wall or suspended on threaded rod	10	KSB 400ZF1	0.3
Custom-made element	100 to 400	70	Floor	10	KSA 80EZ5	0.7

(1) Maximum recommended distance between fixings: 3 meters.

KSB 400ZF1



KSA 80EZ5



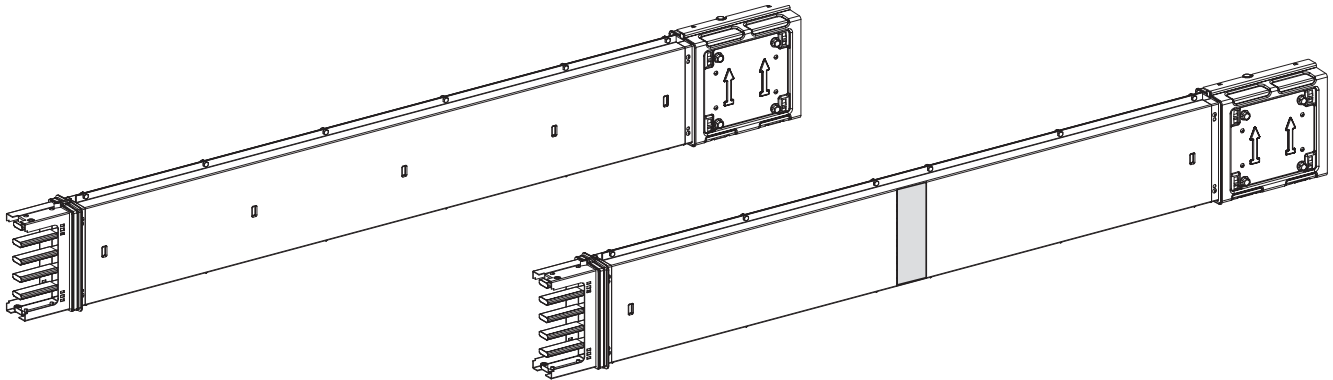
Canalis KS, 100 to 400 A

Busbar trunking for medium-power distribution

Complementary products

Special straight lengths without tap-off outlets

DD205744.eps

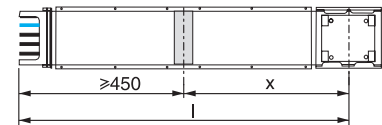
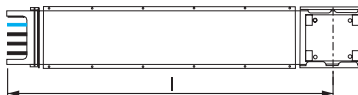


KSA ●●●ET4●●

Polarity	Rating (A)	Length (mm)	Option	Cat. no.	Weight (kg/m)
3L + N + PE or 3L + PEN	100 to 250	500 to 1995	-	KSA 250ET4A	8,00
	250	900 to 2200	With fire barrier	KSA 250ET4AF	8,4
	400	500 to 1995	-	KSA 400ET4A	9,5
	400	900 to 2200	With fire barrier	KSA 400ET4AF	9,90

KSA ●●●ET4A

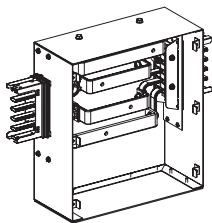
KSA ●●●ET4AF



Dim.	ET4A	ET4AF
l	500 to 1995	900 à 2200
x		450 à 1750

Feed units (supplied with end cover)

DD205745.eps

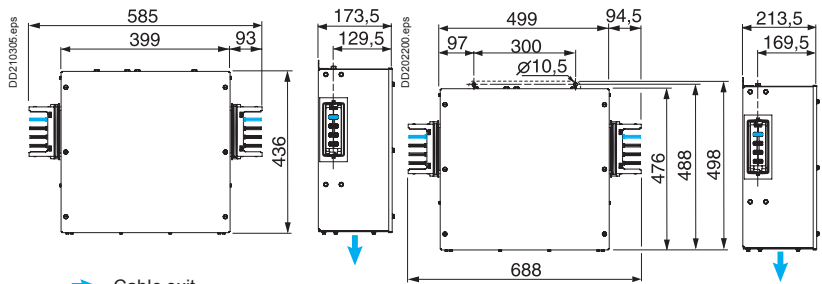


KSA ●●●ABT4

Designation	Rating (A)	Mounting	Connection	Max. size (mm2)		Cat. no.	Weight (kg)
				Flexible	Rigid		
Centre feed unit	100 to 250	Central	Lugs (M10)	240	240	KSA 250ABT4	12.90
	400	Central	Lugs (M10)	2 x 240	2 x 240	KSA 400ABT4	15.50
Flange feed unit	100 to 250	Left or right	Bars (M10 screws)	-	-	KSA 250AE4	1.70
	400	Left or right	Bars (M10 screws)	-	-	KSA 400AE4	1.90

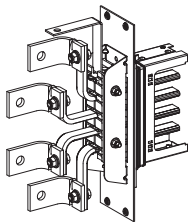
KSA 250ABT4

KSA 400ABT4



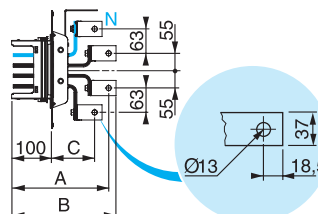
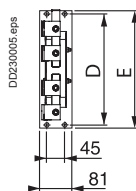
→ Cable exit

DD210306.eps



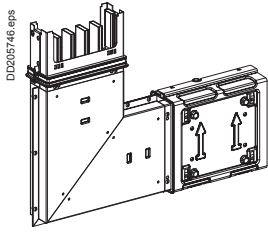
KSA ●●●AE4

KSA ●●●AE4



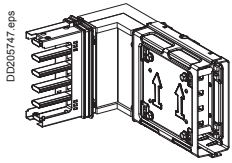
Dim.	100 to 250 A	400 A
A	243	261
B	261.5	279.5
C	108	117
D	278	318
E	294	334

Components for changing direction

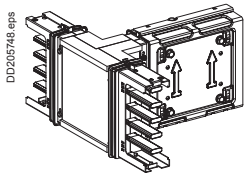


KSA ●●●DL●40

Designation	Rating (A)	Direction (edgewise)	Cat. no.	Weight (kg)
Elbow	100 to 250	Right or left	KSA 250DLC40	3.15
		Upward	KSA 250DLE40	5.00
		Downward	KSA 250DLF40	5.00
	400	Right or left	KSA 400DLC40	3.80
		Upward	KSA 400DLE40	5.60
		Downward	KSA 400DLF40	5.60
Tee	100 to 250	Perpendicular	KSA 250DTC40	4.30
	400	Perpendicular	KSA 400DTC40	5.20

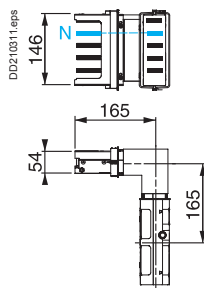


KSA ●●●DLC40

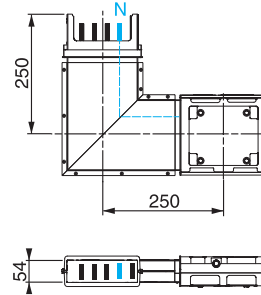


KSA ●●●DTC40

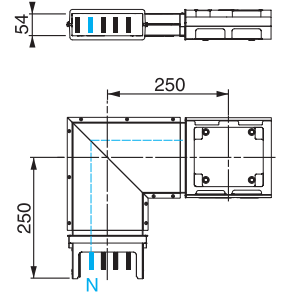
KSA ●●●DLC40



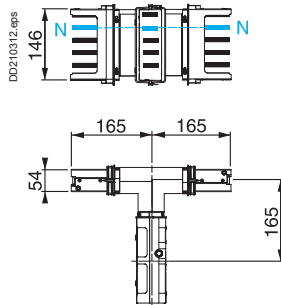
KSA ●●●DLE40



KSA ●●●DLF40



KSA ●●●DTC40



Canalis KS, 100 to 400 A

Busbar trunking for medium-power distribution

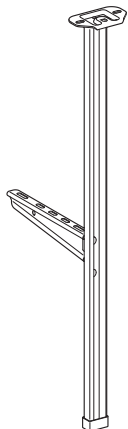
Complementary products

Fixing system

Designation	Rating (A)	Max. load (kg)	Mounting	Order in multiples of	Cat. no.	Weight (kg)
Pendant kit	100 to 400	80	Under ceiling or I-beam ⁽¹⁾	4	KSB 400ZFKP1	2.70
Cantilever arm, 200 mm	100 to 400	220	Wall or pendant	4	KFB CA81200	0.60

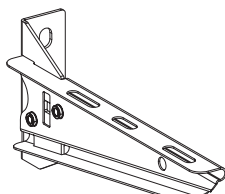
(1) Maximum recommended distance between fixings: 3 meters.

DD210313.eps



KSB 400ZFKP1

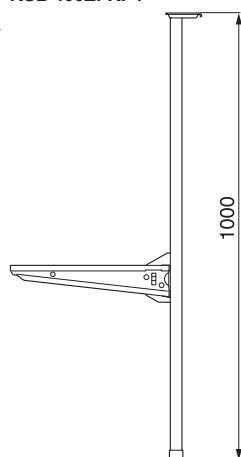
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KFB CA81200

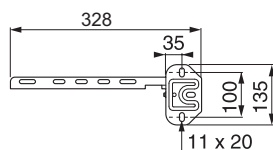
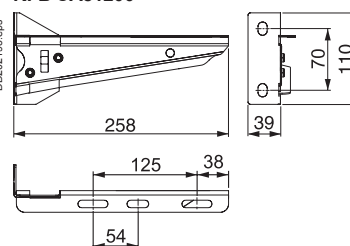
KSB 400ZFKP1

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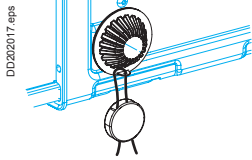


KFB CA81200

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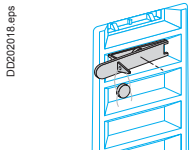


Accessories



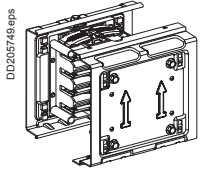
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KSB 1000ZP1



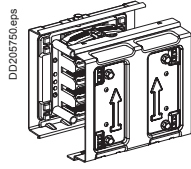
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KSB 1000ZP2



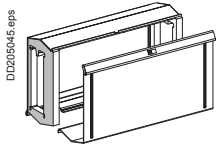
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KSA 250ZJ4



DD2020750.eps

KSA 400ZJ4



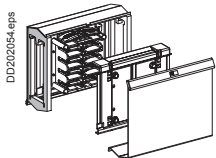
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KSB 400ZB2



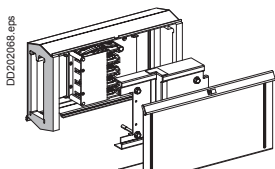
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KSA 400ZB1



DD2020205.eps

KSA 250FA4



DD2020288.eps

KSA 400FA4

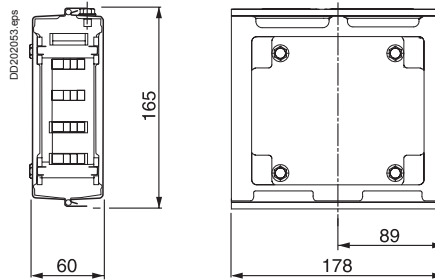
Lead sealing kit

Designation	Rating (A)	For	Order in multiples of	Cat. no.	Weight (kg)
Lead sealing kit	All	Feed unit cover and jointing screws	20	KSB 1000ZP1	0,0035
		Tap-off outlets	20	KSB 1000ZP2	0,002

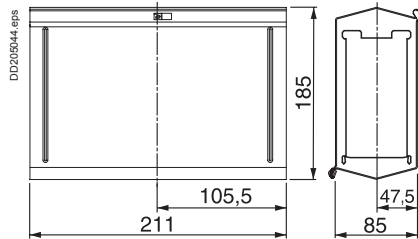
Spare parts

Designation	Rating (A)	Order in multiples of	Cat. no.	Weight (kg)
Electrical and mechanical jointing unit	100 to 250	1	KSA 250ZJ4	1.60
			KSA 250FA4	1.60
			KSA 400ZJ4	2.00
IP55 blanking plate	100 to 400	15	KSB 400ZB1	0.015
Sprinkler proofing accessory	100 to 400	1	KSB 400ZB2	1

KSA 400ZJ4



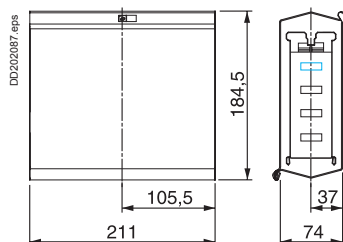
KSB 400ZB2



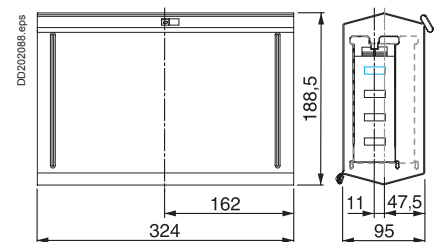
Adapters

Designation	Rating (A)	For	Cat. no.	Weight (kg)
Adapter	100 to 250	Connection to old KS lines	KSA 250FA4	1.35
		Connection to old KS lines	KSA 250FA4	1.35
		Connection to old KS lines	KSA 400FA4	2.90

KSA 250FA4



KSA 400FA4



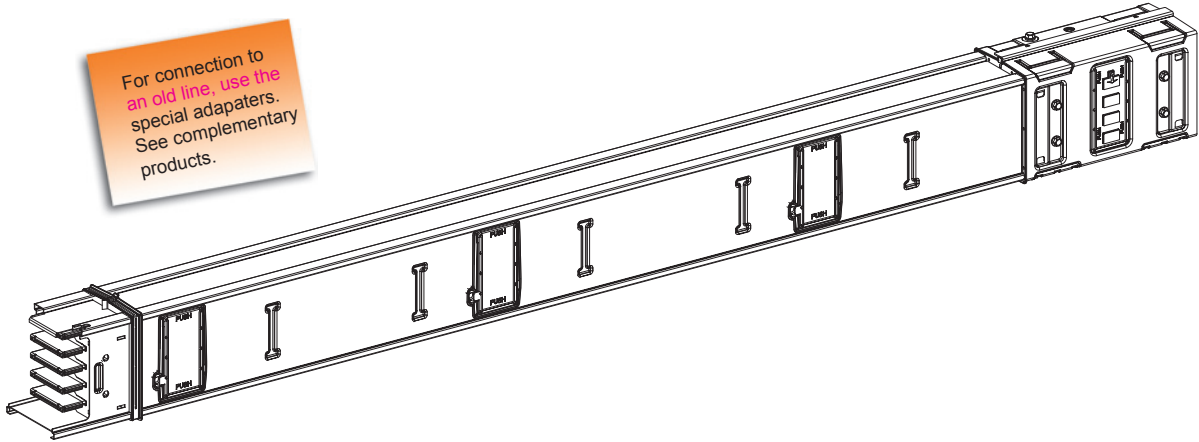
Canalis KS, 500 to 630 A

Busbar trunking for medium-power distribution

Straight lengths with tap-off outlets

DD202022.eps

For connection to an old line, use the special adapters. See complementary products.

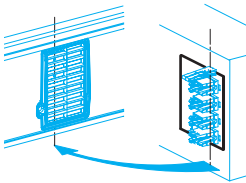


Standard lengths

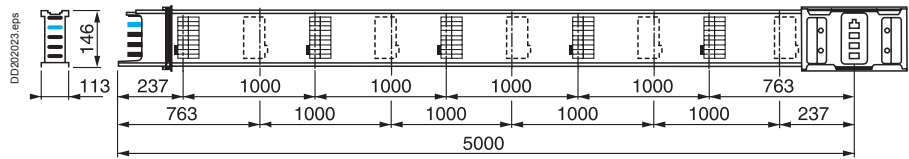
KSA ●●●ED4●●●●

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
3L + N + PE or 3L + PEN	500	5000	10	KSA 500ED45010	54.50
		3000	6	KSA 500ED4306	34.90
	630	5000	10	KSA 630ED45010	58.20
		3000	6	KSA 630ED4306	36.40

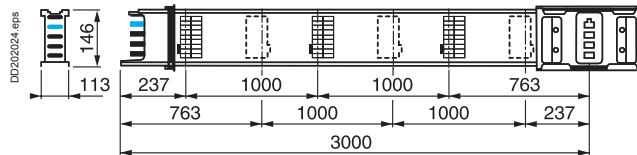
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KSA ●●●ED45010



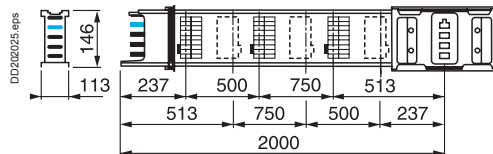
KSA ●●●ED4306



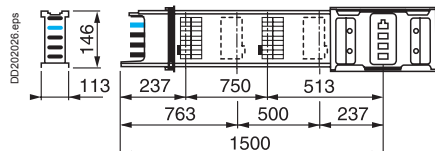
Additional lengths

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
3L + N + PE or 3L + PEN	500 to 630	2000	6	KSA 630ED4206	26.00
		1500	4	KSA 630ED4154	20.50

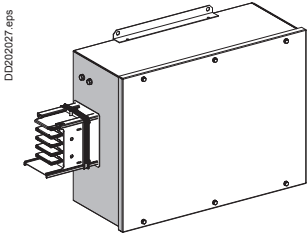
KSA 630D4206



KSA 630D4154

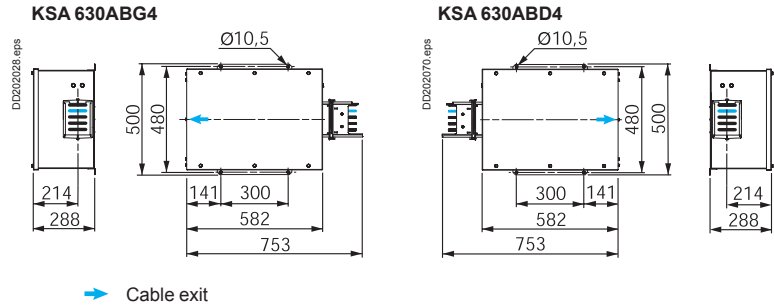


Feed units (supplied with end cover)

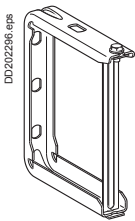


KSA 630AB4

Designation	Rating (A)	Mounting	Connection	Max. size (mm ²)	Cat. no.	Weight (kg)
				Flexible or rigid		
End feed unit	500 to 630	Right	Lugs (M12 screws)	1 x 300 or 2 x 240	KSA 630AB4	18.50
		Left	Lugs (M12 screws)	1 x 300 or 2 x 240	KSA 630ABG4	18.50



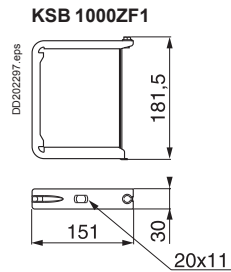
Fixing system



KSB 1000ZF1

Designation	Rating (A)	Max. load (kg)	Mounting	Order in multiples of	Cat. no.	Weight (kg)
Fixing bracket ⁽¹⁾	500 to 630	135	Wall or suspended on threaded rod	10	KSB 1000ZF1	0.4

(1) Maximum recommended distance between fixings: 3 meters.



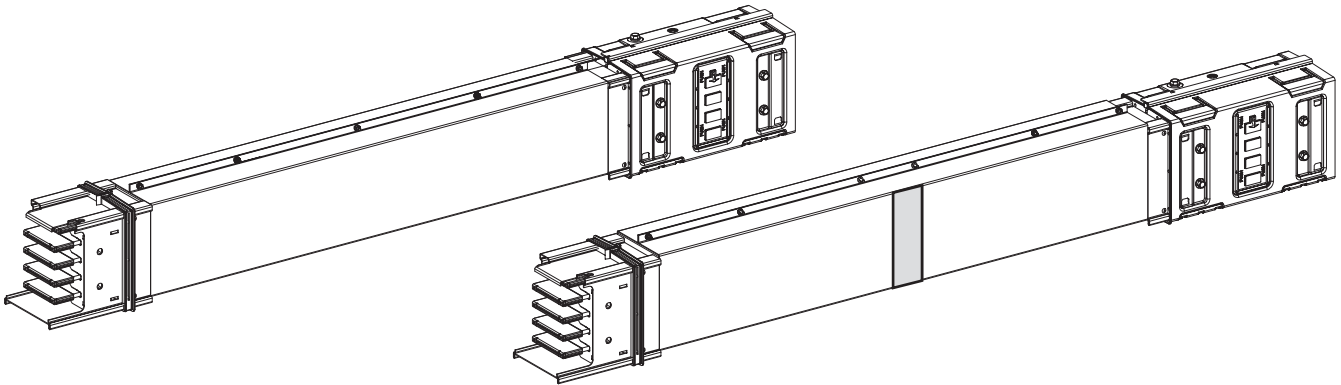
Canalis KS, 500 to 630 A

Busbar trunking medium-power distribution

Complementary products

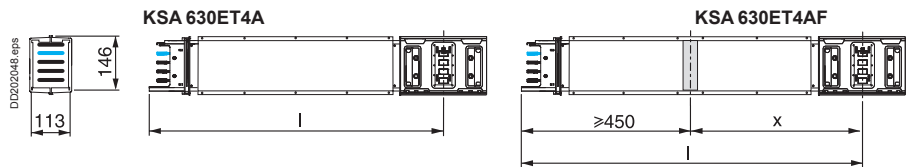
Special straight lengths without tap-off outlets

DD202047.eps



KSA 630ET4●

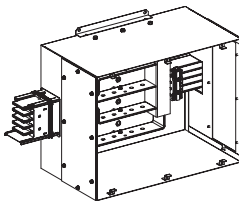
Polarity	Rating (A)	Length (mm)	Option	Cat. no.	Weight (kg/m)
3L + N + PE or 3L + PEN	500 to 630	500 to 1995	-	KSA 630ET4A	17,4
		900 to 2340	With fire barrier	KSA 630ET4AF	18



Dim.	ET4A	ET4AF
l	500 to 1995	900 to 2340
x		450 to 1890

Feed units (supplied with end cover)

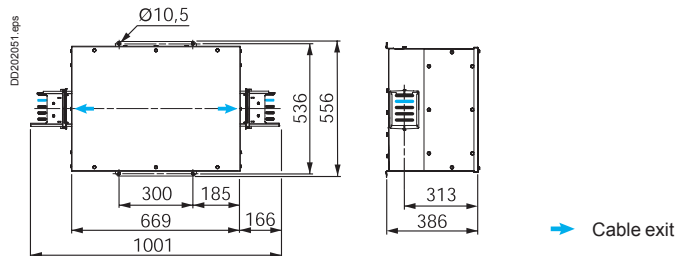
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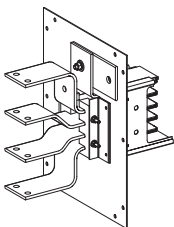
Designation	Rating (A)	Mounting	Connection	Max. size (mm ²)		Cat. no.	Weight (kg)
				Flexible	Rigid		
Centre feed box	500 to 630	Central	Lugs (M12 screws)	3 x 240	3 x 300	KSA 630ABT4	30.50
Flange feed unit	500 to 630	Left or right	Bars (2 x M10 screws)	-	-	KSA 630AE4	4.70

KSA 630ABT4

KSA 630ABT4

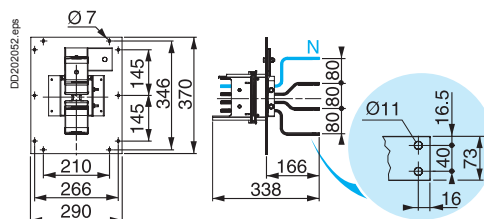


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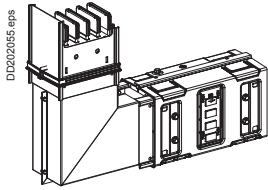


KSA 630AE4

KSA 630AE4



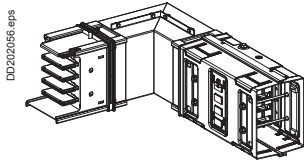
Components for changing direction



DD202055.eps

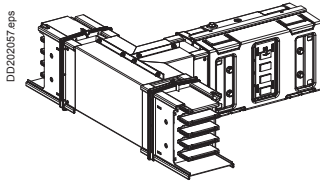
Designation	Rating (A)	Direction (edgewise)	Cat. no.	Weight (kg)
Elbow	500 to 630	Right or left	KSA 630DLC40	13.40
		Upward	KSA 630DLE40	12.10
		Downward	KSA 630DLF40	12.10
Tee	500 to 630	Perpendicular	KSA 630DTC40	15.80

KSA 630DLC40



DD202056.eps

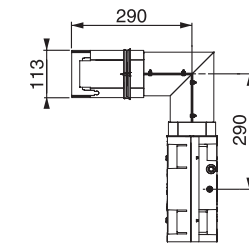
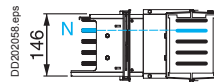
KSA 630DLC40



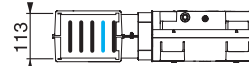
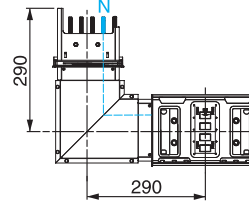
DD202057.eps

KSA 630DTC40

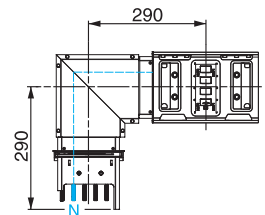
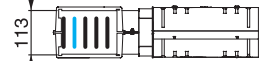
KSA 630DLC40



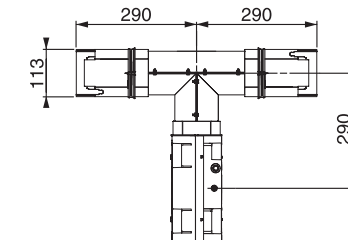
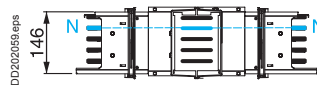
KSA 630DLE40



KSA 630DLF40



KSA 630DTC40



Canalis KS, 500 to 630 A

Busbar trunking medium-power distribution

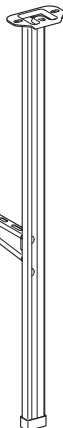
Complementary products

Fixing system

Designation	Rating (A)	Max. load (kg)	Mounting	Cat. no.	Weight (kg)
Pendant kit	500 to 630	80	Under ceiling or I-beam ⁽¹⁾	KSB 1000ZFKP1	2.80
Cantilever arm, 300 mm	500 to 630	200	Wall or pendant	KFB CA81300	0.60

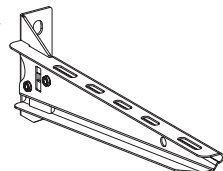
(1) Maximum recommended distance between fixings: 3 meters.

DD202196.eps



KSB 1000ZFKP1

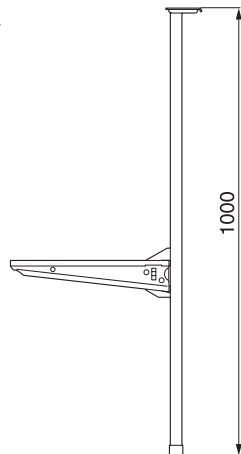
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KFB CA81300

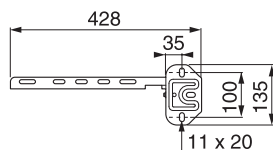
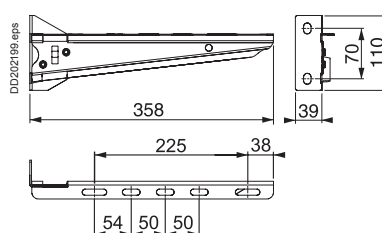
KSB 1000ZFKP1

DD202198.eps

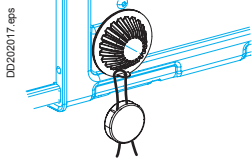


KFB CA81300

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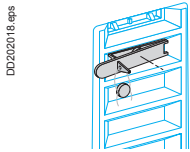


Accessories



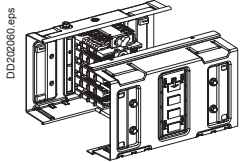
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KSB 1000ZP1



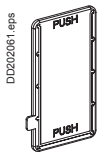
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KSB 1000ZP2



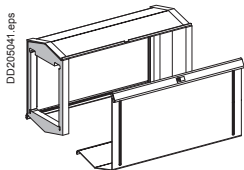
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KSA 630ZJ4



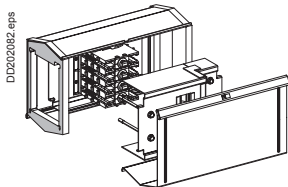
DD202051.eps

KSB 1000ZB1



DD2020541.eps

KSB 1000ZB2



DD202052.eps

KSA ●●●FA4

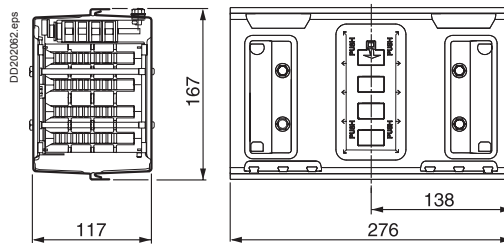
Sealing kit

Designation	Rating (A)	For	Order in multiples of	Cat. no.	Weight (kg)
Sealing kit	All	Feed unit cover and jointing screws	20	KSB 1000ZP1	0.07
		Tap-off outlets	20	KSB 1000ZP2	0.04

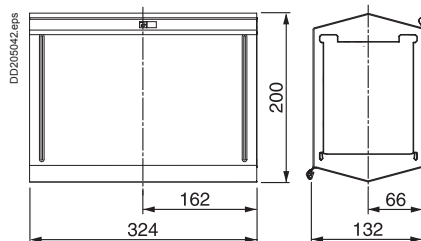
Spare parts

Designation	Rating (A)	Order in multiples of	Cat. no.	Weight (kg)
Electrical and mechanical jointing unit	500 to 630	1	KSA 630ZJ4	3.50
IP55 outlet plug	500 to 1000	15	KSB 1000ZB1	0.020
Sprinkler proofing accessory	500 to 1000	1	KSB 1000ZB2	1

KSA 630ZJ4



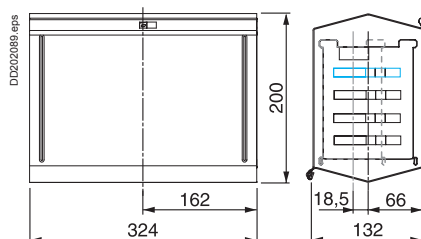
KSA 630ZJ4



Adapters

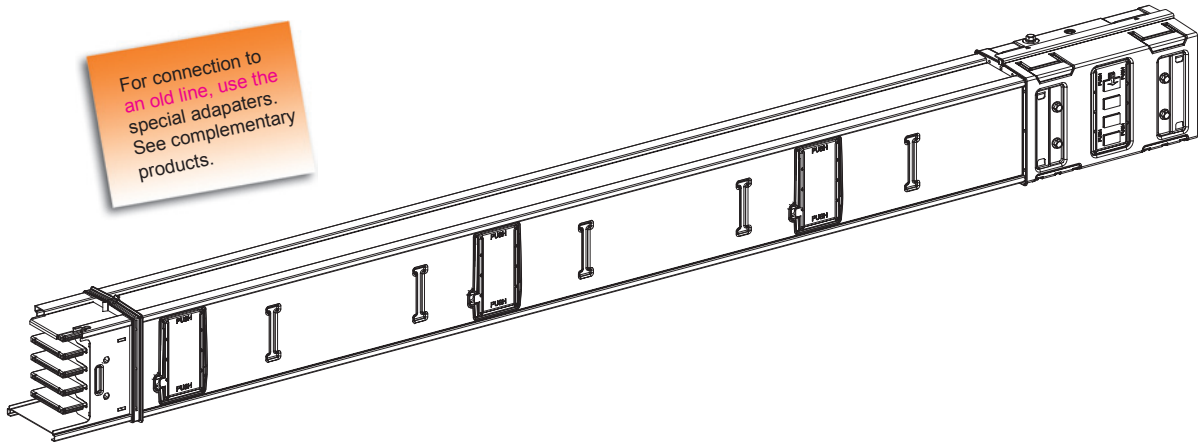
Designation	Rating (A)	For	Cat. no.	Weight (kg)
Adaptors	500	Connection to old KS 500 A lines	KSA 500FA4	3.65
	630	Connection to old KS 630 A lines	KSA 800FA4	4.00

KSA ●●●FA4



Straight lengths with tap-off outlets

For connection to an old line, use the special adaptors. See complementary products.

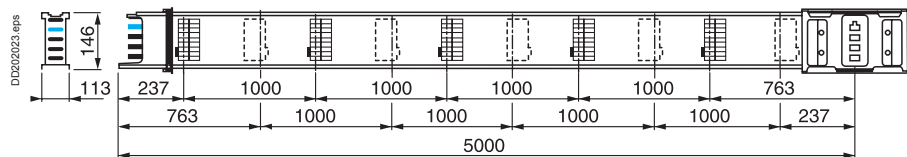


KSA ●●●ED4●●●●

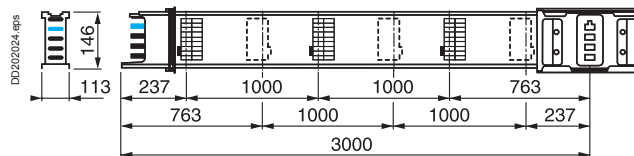
Standard lengths

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
3L + N + PE or 3L + PEN	800	5000	10	KSA 800ED45010	69.20
		3000	6	KSA 800ED4306	43.10
	1000	5000	10	KSA 1000ED45010	89.50
		3000	6	KSA 1000ED4306	55.20

KSA ●●●ED45010



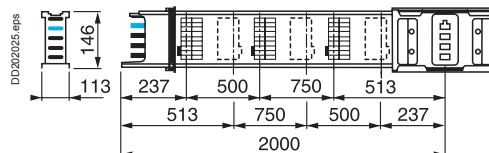
KSA ●●●ED4306



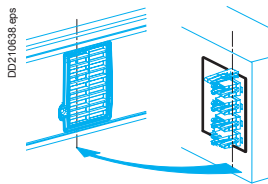
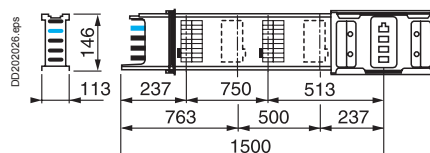
Additional lengths

Polarity	Rating (A)	Length (mm)	Number of tap-off outlets	Cat. no.	Weight (kg)
3L + N + PE or 3L + PEN	800 to 1000	2000	6	KSA 1000ED4206	38.50
		1500	4	KSA 1000ED4154	29.90

KSA 1000ED4206



KSA 1000ED4154



DD202022 eps

DD210638 eps

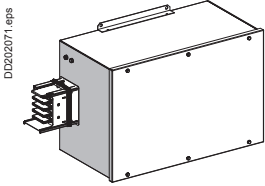
DD202023 eps

DD202024 eps

DD202025 eps

DD202026 eps

Feed units (supplied with end cover)

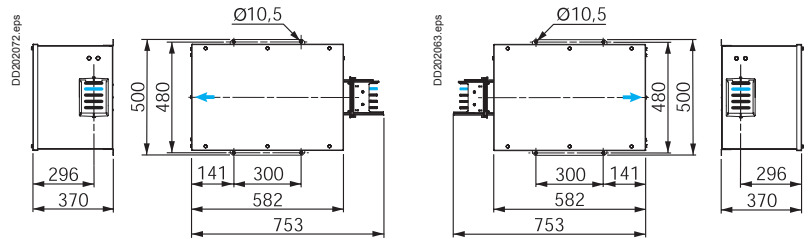


Designation	Rating (A)	Mounting	Connection	Max. size (mm ²)		Cat. no.	Weight (kg)
				Flexible	Rigid		
End feed box	800 to 1000	Right	Lugs (M12 screws)	4 x 240	4 x 300	KSA 1000ABD4	24.50
		Left	Lugs (M12 screws)	4 x 240	4 x 300	KSA 1000ABG4	24.50

KSA 1000AB4

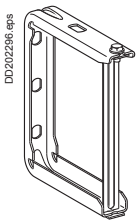
KSA 1000ABG4

KSA 1000ABD4



→ Cable exit

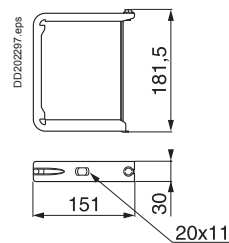
Fixing system



Designation	Rating (A)	Max. load (kg)	Mounting	Order in multiples of	Cat. no.	Weight (kg)
Fixing bracket ⁽¹⁾	800 to 1000	135	Wall or suspended on threaded rod	10	KSB 1000ZF1	0.4

⁽¹⁾ Maximum recommended distance between fixings: 3 meters.

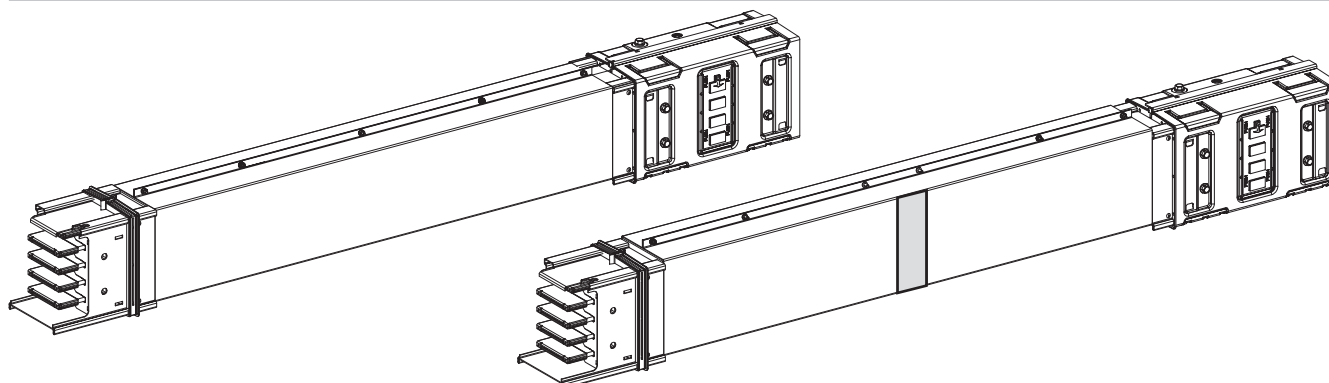
KSB 1000ZF1



KSB 1000ZF1

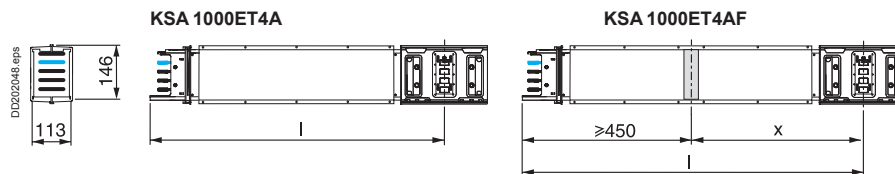
Special straight lengths without tap-off outlets

DD0202047.eps



KSA 1000ET4A

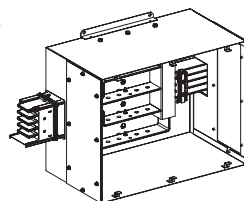
Polarity	Rating (A)	Length (mm)	Option	Cat. no.	Weight (kg/m)
3L + N + PE or 3L + PEN	800 to 1000	500 to 1995	-	KSA 1000ET4A	23.6
		900 to 2340	With fire barrier	KSA 1000ET4AF	24.2



Dim.	ET4A	ET4AF
l	500 to 1995	900 to 2340
x		450 to 1890

Feed units (supplied with end cover)

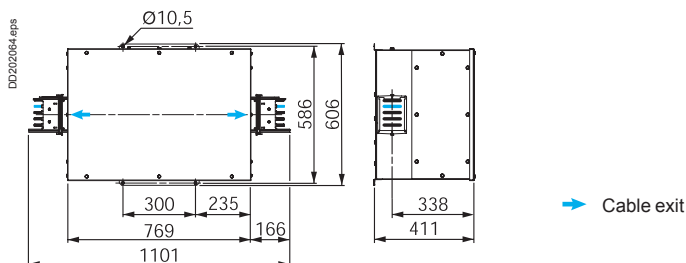
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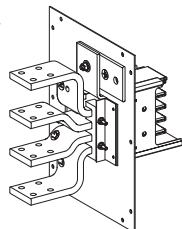
Designation	Rating (A)	Mounting	Connection	Max. size (mm ²)		Cat. no.	Weight (kg)
				Flexible	Rigid		
Centre feed box	800 to 1000	Central	Lugs (M12 screws)	4 x 240	4 x 300	KSA 1000ABT4	41.50
Flange feed unit	800 to 1000	Left or right	Bars (4 x M10 screws)	-	-	KSA 1000AE4	6.60

KSA 1000ABT4

KSA 1000ABT4

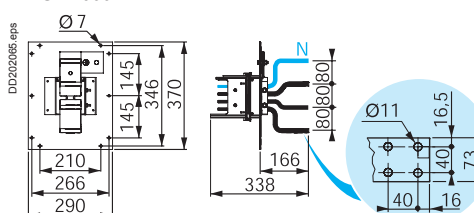


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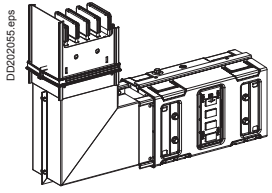


KSA 1000AE4

KSA 1000AE4

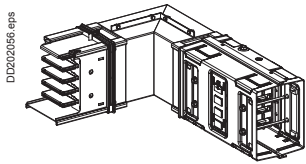


Components for changing direction

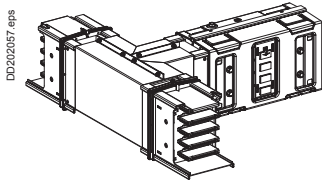


Designation	Rating (A)	Direction (edgewise)	Cat. no.	Weight (kg)
Elbow	800 to 1000	Right or left	KSA 1000DLC40	19.00
		Upward	KSA 1000DLE40	16.70
		Downward	KSA 1000DLF40	16.70
Tee	800 to 1000	Perpendicular	KSA 1000DTC40	22.60

KSA 1000DLI40

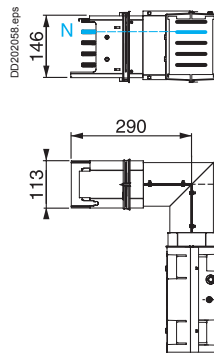


KSA 1000DLC40

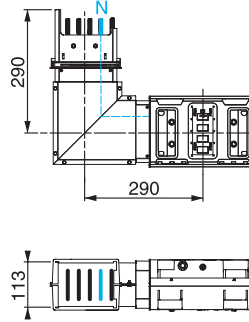


KSA 1000DTC40

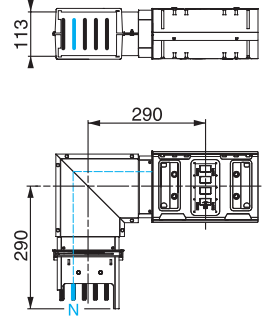
KSA 1000DLC40



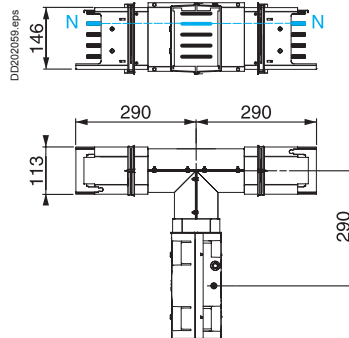
KSA 1000DLE40



KSA 1000DLF40



KSA 1000DTC40

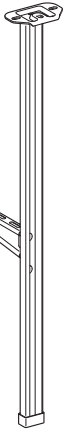


Fixing system

Designation	Rating (A)	Max. load (kg)	Mounting	Order in multiple of	Cat. no.	Weight (kg)
Pendant kit ⁽¹⁾	800 to 1000	80	Under ceiling or I-beam	4	KSB 1000ZFKP1	2.80
Cantilever arm, 300 mm	800 to 1000	200	Wall or pendant ⁽¹⁾	4	KFB CA81300	0.60

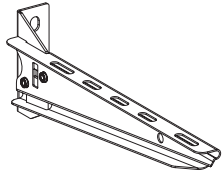
(1) Maximum recommended distance between fixings: 3 meters.

DD202196.eps



KSB 1000ZFKP1

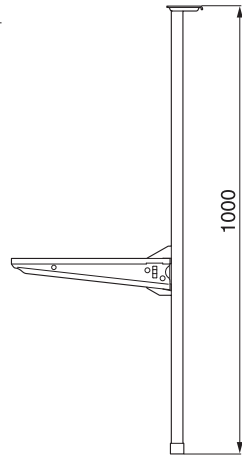
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KFB CA81300

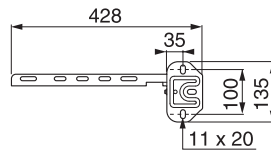
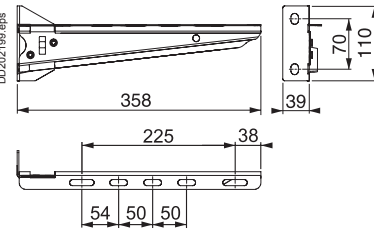
KSB 1000ZFKP1

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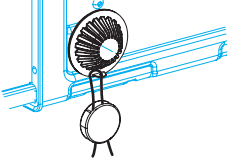
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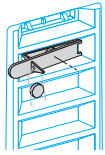
Accessories

DD202017.eps



KSB 1000ZP1

DD202018.eps

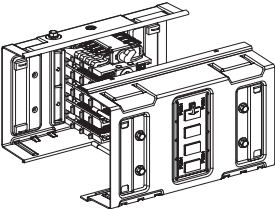


KSB 1000ZP2

Lead sealing kit

Designation	Rating (A)	For	Order in multiples of	Cat. no.	Weight (kg)
Lead sealing kit	All	Feed unit cover and jointing screws	20	KSB 1000ZP1	0.07
		Tap-off outlets	20	KSB 1000ZP2	0.04

DD202060.eps



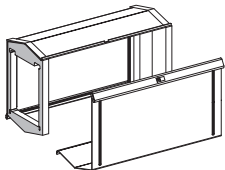
KSA 1000ZJ4

DD202051.eps



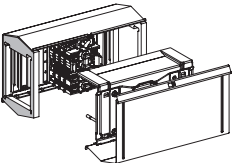
KSB 1000ZB1

DD2020541.eps



KSB 1000ZB2

DD202053.eps

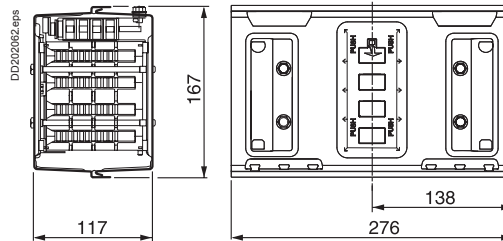


KSA 800FA4

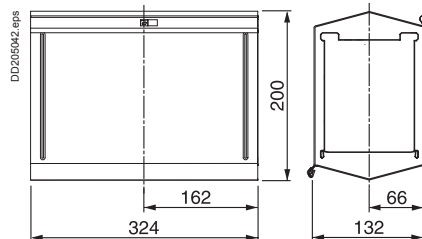
Spare parts

Designation	Rating (A)	Order in multiples of	Cat. no.	Weight (kg)
Electrical and mechanical jointing unit	800 to 1000	1	KSA 1000ZJ4	4.50
IP55 outlet plug	500 to 1000	15	KSB 1000ZB1	0.020
Sprinkler proofing accessory	500 to 1000	1	KSB 1000ZB2	1

KSA 1000ZJ4



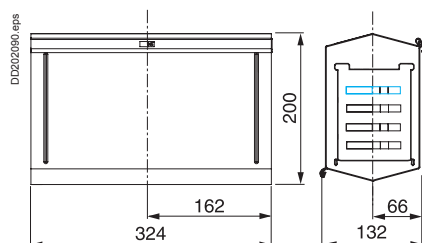
KSB 1000ZB2



Adapters

Designation	Rating (A)	For	Cat. no.	Weight (kg)
Adapter	800	Connection to old KS lines	KSA 800FA4	4.00

KSA 800FA4



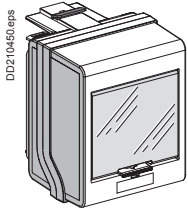
Canalis KS, 100 to 1000 A

Busbar trunking for medium-power distribution

32 to 100 A tap-off units for modular devices

Tap-off units

Disconnection by unplugging the tap-off unit

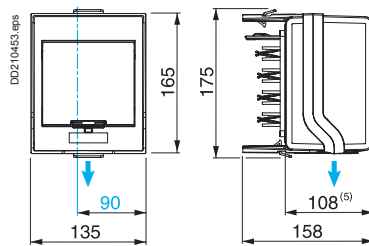


KSB 32CM55

		Earthing system arrangement	Busbar trunking		TT-TNS-TNC-IT ⁽¹⁾	
			Tap-off unit		TT-TNS-TNS-IT ⁽¹⁾	
		Tap-off polarity			3L + N + PE ⁽²⁾	
		Tap-off diagram (e.g. circuit-breaker protection)				
Rating (A)	Number of 18 mm modules ⁽³⁾	Connection	Max. size (mm ²)	Cable gland ⁽⁴⁾ (not supplied)	Cat. no.	Weight (kg)
32	5	Pre wired	6 10	ISO 32 max.	KSB 32CM55	0.60

- (1) The neutral must be protected or not distributed (3L+PE) for the IT system.
- (2) Also suitable for tap-off unit 3L + PE (N not distributed, IT system also possible).
- (3) Supplied with blanking plate (1x5 divisible).
- (4) Maximum diameter for a multipolar cable.

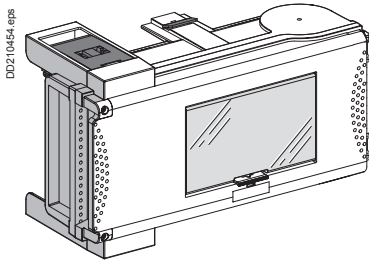
KSB 32CM55



→ Cable exit
 - - - Centre line of tap-off outlets
 (5) Protruding.

Tap-off unit with isolator

Disconnection by opening the tap-off unit cover

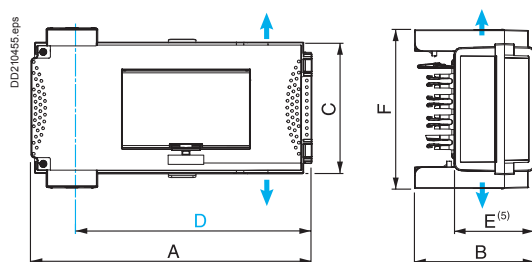


KSB 63SM⁸,
KSB 100SM¹²

		Earthing system arrangement	Busbar trunking		TT-TNS-TNC-IT ⁽¹⁾	TNC	
			Tap-off unit		TT-TNS-TNS-IT ⁽¹⁾	TNC	
		Tap-off polarity			3L + N + PE ⁽²⁾	3L + PEN	
		Tap-off diagram (e.g. circuit-breaker protection)					
Rating (A)	Number of 18 mm modules ⁽³⁾	Connection	Max. size (mm ²)	Cable gland ⁽⁴⁾ (not supplied)	Cat. no.	Cat. no.	Weight (kg)
63	8	Copper cable lugs	16 16	ISO 50 max.	KSB 63SM48	KSB 63SM58	2.40
100	12	Copper cable lugs	35 35	ISO 63 max.	KSB 100SM412	KSB 100SM512	5.00

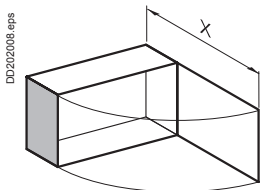
- (1) The neutral must be protected or not distributed (3L+PE) for the IT system.
- (2) Also suitable for tap-off unit 3L + PE (N not distributed).
- (3) Supplied with blanking plates: (1x5 divisible (8 modules) or 2x5 divisible (12 modules)).
- (4) Maximum diameter for a multipolar cable.

KSB 63SM⁸, KSB 100SM¹²



Dim.	63A	100A
A	357	444
B	158	183
C	167	202
D	309	397
E	108	133
F	202	220

→ Cable exit
 - - - Centre line of tap-off outlets
 (5) Protruding.



X = 432.5 (KSB 63SM⁸)
 X = 545.5 (KSB 100SM¹²)